NOTES:

1 REVIEW DETAILS AND REVISE AS NEEDED TO SUIT PROJECT REQUIREMENTS.

2 SIZE CONDENSATE BRANCH LINE NO SMALLER THAN THE TRAP INLET. MINIMUM SIZE 3/4".

3 USE TWO PRV'S IN SERIES WHEN THE TOTAL REDUCTION IN PRESSURE IS MORE THAN A 10 TO 1 RATIO OF THE ABSOLUTE PRESSURE. SEE SHEET 2. SET THE FIRST PRV AT APPROXIMATELY 60 PSIG AND THE SECOND AS REQUIRED.

4 USE TWO PRV'S IN PARALLEL WHEN THE LOAD DEMANDS FLUCTUATE THROUGH A WIDE RANGE. SEE SHEET 3.

   A WHEN SPLIT BETWEEN LOADS IS UNKNOWN, SELECT VALVES WITH CAPACITIES OF 1/3 AND 2/3 OF THE MAXIMUM LOAD WITH THE SMALLER VALVE SET AT 2 PSIG HIGHER THAN THE LARGER VALVE. (AS THE LOAD INCREASES, THE PRESSURE DROPS AND THE LARGER VALVE OPENS).

5 MOISTURE SEPARATOR SHALL BE LINE SIZE. INSTALL ONLY IN BUILDING STEAM SUPPLY LINE TO BUILDING.

   A MINIMUM BUILDING SUPPLY LINE SIZE 2 1/2".

   B TRAP SIZE AND CONDENSATE PIPING SIZE SHALL BE THE SAME SIZE AS THE MOISTURE SEPARATOR DRAIN PORT. MINIMUM SIZE 3/4".

6 REFER TO LANL FACILITY CONSTRUCTION SPECIFICATIONS SECTIONS 15520 AND 15525.

NO.	DATE	CLASS REV	REVISIONS	APP

FACILITY ENGINEERING MANUAL

STEAM PRV STATION

DESIGN NOTES

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